

FIGURE 1

Tolorogen attoles/Mouse

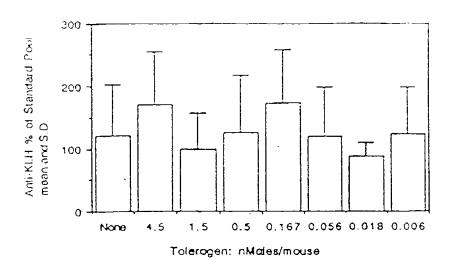


FIGURE 2

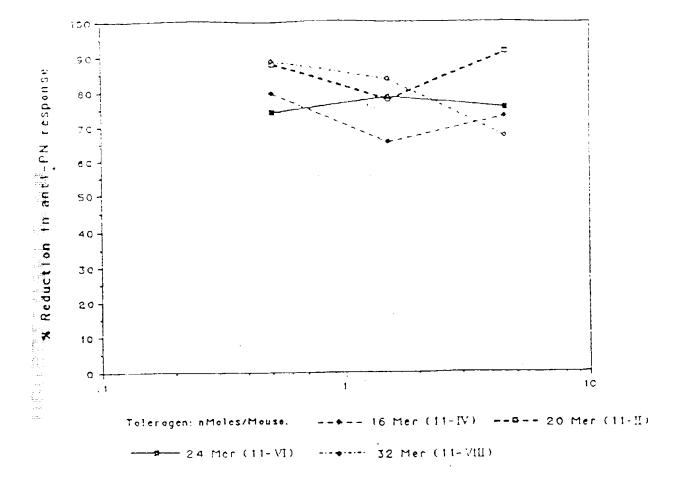
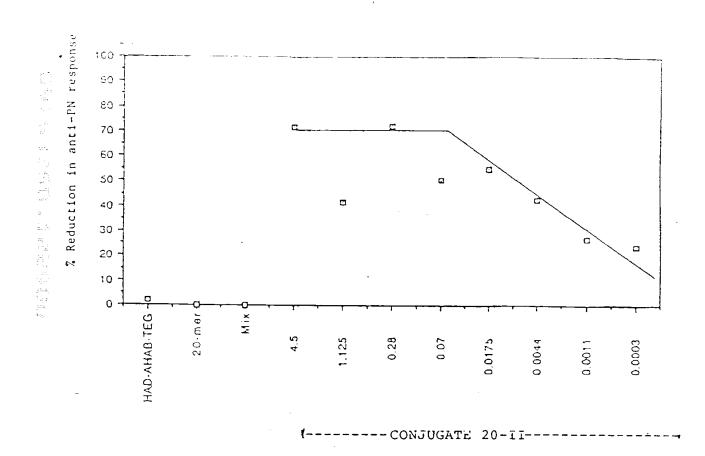
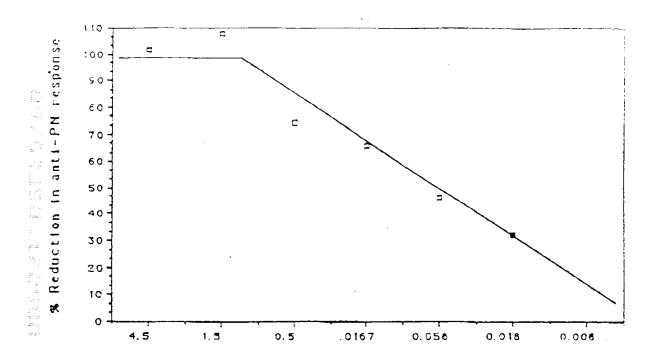


FIGURE 3



Tolerogen: nmoles/mouse

FIGURE 4



Tolerogen: nMoles/Mouse

FIGURE 5

$$(CH_2OCH_2)_{n/2}CH_2O \xrightarrow{Q} NHCH_2CH_2NH \xrightarrow{Q} O$$

$$(CH_2OCH_2)_{n/2}CH_2O \xrightarrow{Q} NHCH_2CH_2NH \xrightarrow{Q} O$$

$$O$$
Average n = approx. 74

 $3 \cdot 11$, PN = (CA)₁₀·(TG)₁₀

3-1, PN = (CA)₁₀

DABA-PEG

CH2CONH(CH2CH2O)2CH2CH2NHCOCH2S(CH2)60- P-O-PN
CH2OCH2CH2NHCOCH2CH2CON CH₂CONH(CH₂CH₂O)₂CH₂CH₂NHCOCH₂S(CH₂)₆O- P-O-PN

BAHA_{ox}-EDDA 11-1, PN = (CA)₁₀ 11-11, PN = (CA)₁₀.(TG)₁₀ 11-1V, PN = (CA)₈.(TG)₈ 11-VI, PN = (CA)₁₂.(TG)₁₂ 11-VII, PN = (CA)₁₆.(TG)₁₆

FIGURE 6A

$$\begin{array}{c} \text{HO(CH}_2)_6\text{SCH}_2\text{COHN(CH}_2)_5\text{CONH} \\ \\ \text{O} \\ \text{N} \\ \\ \text{HO(CH}_2\text{CH}_2\text{O})_2\text{CH}_2\text{CH}_2\text{O} \\ \\ \text{HO(CH}_2)_6\text{SCH}_2\text{COHN(CH}_2)_5\text{CONH} \\ \\ \end{array} \begin{array}{c} \text{O} \\ \text{O} \\ \text{O} \\ \text{CH}_2\text{CH}_2\text{O})_2\text{CH}_2\text{CH}_2\text{O} \\ \\ \text{N} \\ \\ \text{N} \\ \text{O} \\$$

FIGURE 7

T Cell Proliferation Induced by Mellitin Peptides

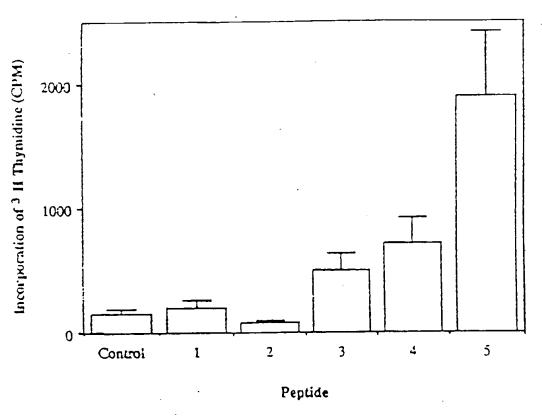
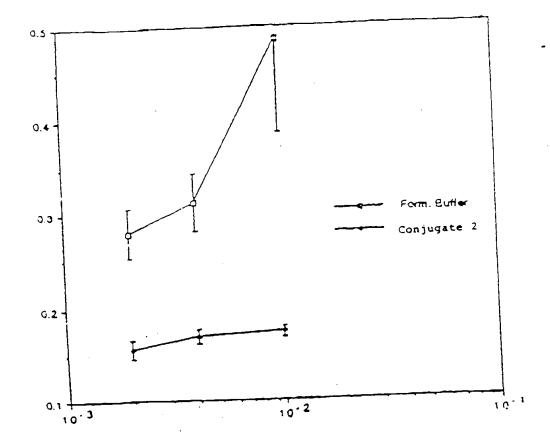


FIGURE 8

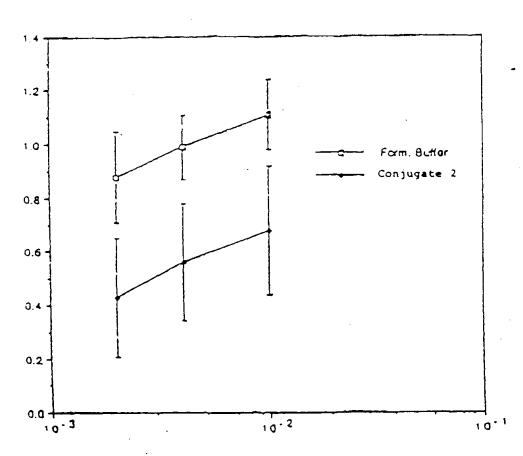
igG serum circulating Ab to melittin peptide 2



serum dilution

FIGURE 9

igG serum circulating levels to Melittin



O.D. 450 nm

serum dilution

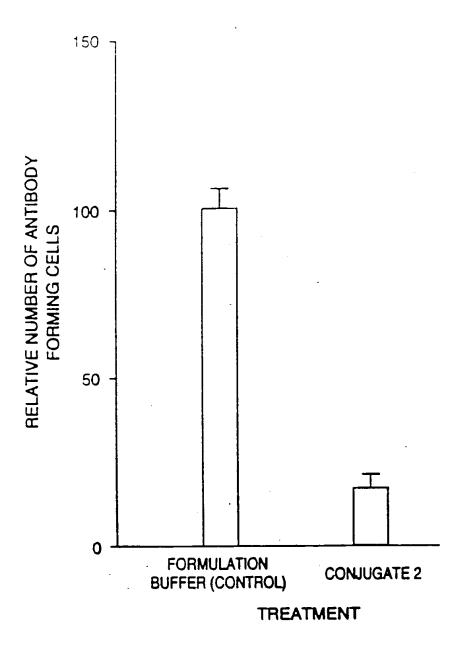
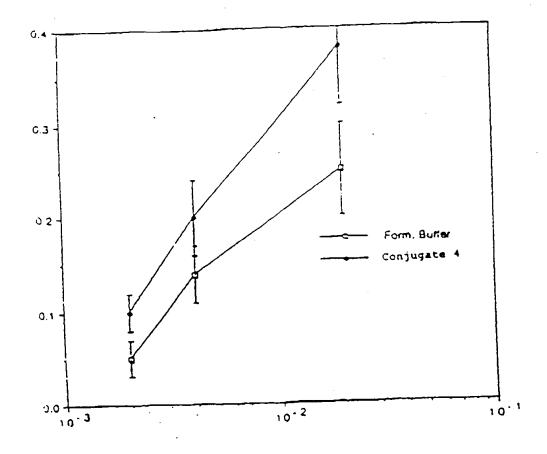


FIGURE 11

igG serum circulating Ab to Peptide 5



serum dilution

FIGURE 12

Melittin Peptide Conjugates

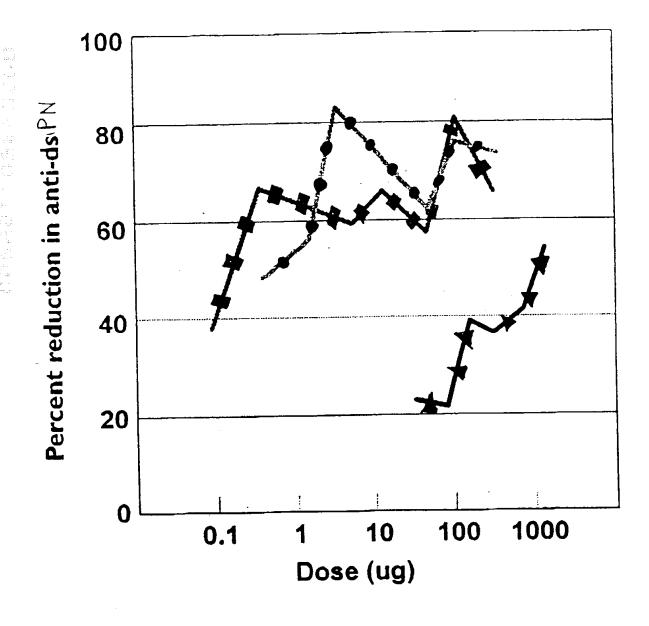
Melittin Conjugate # 1, R = H2N-Trp-lle-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO2H

Average n = approx. 74

Melitin Conjugate # 3, R = H2N-Trp-lle-Lys-Arg-Lys-Arg-Gln-Gln-Lys-Cys-Gly-CO2H Melitin Conjugate # 4, R = H2N-Cys-lle-Ser-Trp-lle-Lys-Arg-Lys-Arg-Gln-Gln-Gln-Gly-CO2H Melitin Conjugate # 5, R = (H2N-Trp-lle-Lys-Arg-Lys-Arg-Gln-Gln)₂-Lys-Cys-Gly-CO2H Melitin Conjugate # 2, R = HzN-Cys-Trp-Ile-Lys-Arg-Lys-Arg-Gln-Gln-Gln-Gly-COzH

Melittin peptides attached through sulfur atom on added cysteine, average n = approx. 74

Inhibition of Anti-ds^{PN} by LJP- 249 and LJP- 105



---LJP- 249 A ---LJP- 249 B---LJP- 105

Treatment of Male BXSB Mice with LJP394

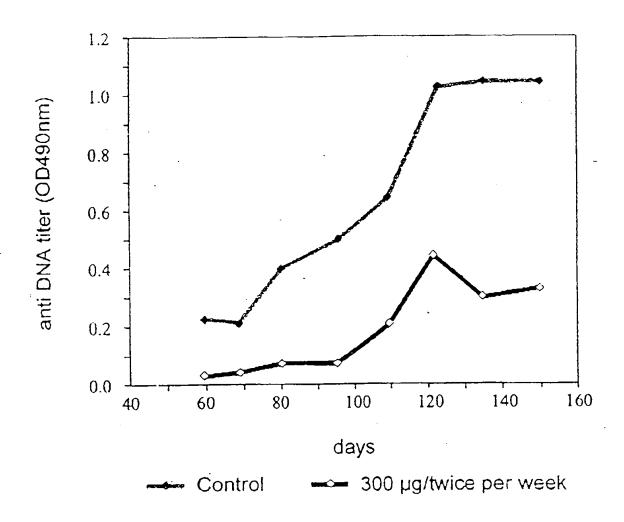


FIGURE 15